

Title (en)
Artificial intervertebral disc

Title (de)
Künstliche Bandscheibe

Title (fr)
Disque intervertébral artificiel

Publication
EP 1905390 A2 20080402 (EN)

Application
EP 07018677 A 20040426

Priority
• EP 04252415 A 20040426
• US 43086103 A 20030506

Abstract (en)
An artificial intervertebral disc (10) includes housing members (12,14) including spaced inner surfaces (16,18) facing each other and oppositely facing outer surfaces (20,22) for engaging spaced apart vertebral surfaces. Bearing surfaces (24,26) extend from each of the inner surfaces for engaging each other while allowing for low friction and compression resistant movement of the housing members relative to each other while under compression. Load sharing pads (32,34) are disposed between the inner surfaces and about at least a portion of the bearing surfaces for sharing absorption compressive loads with the bearing surfaces while limiting the relative movement of the housing members.

IPC 8 full level
A61F 2/44 (2006.01); **A61L 27/00** (2006.01); **A61F 2/00** (2006.01); **A61F 2/28** (2006.01); **A61F 2/30** (2006.01)

CPC (source: EP US)
A61F 2/4425 (2013.01 - EP US); **A61F 2/30767** (2013.01 - EP US); **A61F 2002/2817** (2013.01 - EP US); **A61F 2002/30014** (2013.01 - EP US); **A61F 2002/30332** (2013.01 - EP US); **A61F 2002/30383** (2013.01 - EP US); **A61F 2002/30426** (2013.01 - EP US); **A61F 2002/30448** (2013.01 - EP US); **A61F 2002/30495** (2013.01 - EP US); **A61F 2002/305** (2013.01 - EP US); **A61F 2002/30563** (2013.01 - EP US); **A61F 2002/30578** (2013.01 - EP US); **A61F 2002/30604** (2013.01 - EP US); **A61F 2002/30616** (2013.01 - EP US); **A61F 2002/30649** (2013.01 - EP US); **A61F 2002/30662** (2013.01 - EP US); **A61F 2002/30841** (2013.01 - EP US); **A61F 2002/30884** (2013.01 - EP US); **A61F 2002/30904** (2013.01 - EP US); **A61F 2002/443** (2013.01 - EP US); **A61F 2220/0025** (2013.01 - EP US); **A61F 2220/0033** (2013.01 - EP US); **A61F 2220/005** (2013.01 - EP US); **A61F 2250/0018** (2013.01 - EP US); **A61F 2310/00023** (2013.01 - EP US); **A61F 2310/00029** (2013.01 - EP US); **A61F 2310/00179** (2013.01 - EP US); **A61F 2310/00796** (2013.01 - EP US)

Cited by
US10966843B2; US11045331B2; US11690734B2; US9931224B2; US10022245B2; US10195049B2; US10792166B2; US11712349B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2004225362 A1 20041111; **US 7105024 B2 20060912**; AU 2004201685 A1 20041125; AU 2004201685 B2 20070823; CA 2466394 A1 20041106; CA 2466394 C 20110705; EP 1475059 A2 20041110; EP 1475059 A3 20050112; EP 1905390 A2 20080402; EP 1905390 A3 20080416; EP 1905390 B1 20130710; ES 2430366 T3 20131120; JP 2004329937 A 20041125; JP 2010227618 A 20101014; JP 4651306 B2 20110316; US 2004225363 A1 20041111; US 2006265071 A1 20061123; US 2006265072 A1 20061123; US 7655045 B2 20100202; US 7766966 B2 20100803

DOCDB simple family (application)
US 43086103 A 20030506; AU 2004201685 A 20040423; CA 2466394 A 20040505; EP 04252415 A 20040426; EP 07018677 A 20040426; ES 07018677 T 20040426; JP 2004136939 A 20040430; JP 2010155279 A 20100707; US 49431506 A 20060727; US 49431606 A 20060727; US 65354003 A 20030902